Route: DOSED FEED

Test Type: 26-39 WEEKS

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 **AVERAGE SEVERITY GRADES[b]**

Senna (powdered)

CAS Number: 8013-11-4

Lab: BAT

Time Report Requested: 11:54:36

First Dose M/F: 06/26/07 / 06/25/07

F1_Rev.1_MD

Species/Strain: MICE/P53(C57BL/6)

C Number: C20101B

Lock Date: 09/03/2008

Cage Range: ALL

ALL **Date Range:**

ALL **Reasons For Removal:**

Removal Date Range: ALL

Include ALL **Treatment Groups:**

Study Gender: Both

TDMSE Version: 2.2.0 Route: DOSED FEED

Pancreas

Stomach, Forestomach Inflammation

Test Type: 26-39 WEEKS

Species/Strain: MICE/P53(C57BL/6)

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Senna (powdered)
CAS Number: 8013-11-4

Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07

Lab: BAT

Species/Strain. WIGE/F33(G37BL/0)				Lab. DAT			
P53+/-(C57BL/6) MICE MALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm	
Disposition Summary							
Animals Initially In Study	25	25	25	25	25	25	
Early Deaths							
Natural Death		1			2	1	
Survivors							
Terminal Sacrifice	25	24	25	25	23	24	
Animals Examined Microscopically	25	25	25	25	25	25	
ALIMENTARY SYSTEM							
Intestine Large, Cecum	(25)	(25)	(25)	(25)	(23)	(25)	
Epithelium, Hyperplasia	,	,	,	,	. ,	22 [1.4]	
Intestine Large, Colon	(25)	(25)	(25)	(25)	(24)	(25)	
Epithelium, Hyperplasia	, ,	, ,	, ,		3 [1.3]	25 [2.8]	
Intestine Large, Rectum	(24)	(25)	(25)	(25)	(24)	(25)	
Epithelium, Hyperplasia						1 [2.0]	
Intestine Small, Duodenum	(25)	(25)	(25)	(25)	(23)	(25)	
Ectopic Tissue					1		
Intestine Small, Jejunum	(25)	(25)	(25)	(25)	(23)	(24)	
Epithelium, Hyperplasia			1 [2.0]				
Liver	(25)	(25)	(25)	(25)	(25)	(25)	
Basophilic Focus	2	3	2			4	
Clear Cell Focus				1			
Degeneration, Cystic				1 [2.0]			
Eosinophilic Focus		1			1		
Fibrosis				1 [1.0]			
Hematopoietic Cell Proliferation		2 [1.0]					
Inflammation, Chronic Active	15 [1.0]	17 [1.0]	19 [1.0]	22 [1.0]	14 [1.0]	10 [1.0]	
Mixed Cell Focus			1	1	1		
Necrosis	1 [1.0]	1 [1.0]		1 [1.0]	1 [1.0]	1 [2.0]	
Tension Lipidosis	1						
Kupffer Cell, Hyperplasia, Multifocal					1 [2.0]		
	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	(0.5)	

(25)

(25)

(25)

(25)

(25)

(25)

1 [1.0]

(25)

(25)

(25)

(25)

(25)

(25)

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 26-39 WEEKS

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Senna (powdered)
CAS Number: 8013-11-4

Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07

Lab: BAT

Route: DOSED FEED
Species/Strain: MICE/P53(C57BL/6)

Species/3train. MICE/F33(C37BL/0)			Lau. BAT				
P53+/-(C57BL/6) MICE MALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm	
Epithelium, Hyperplasia				1 [1.0]			
Stomach, Glandular	(25)	(25)	(25)	(25)	(25)	(25)	
Mineralization			1 [1.0]	1 [1.0]			
Glands, Cyst	2 [1.0]	2 [1.0]	2 [1.0]		1 [1.0]		
Tooth	(1)	(0)	(0)	(0)	(0)	(0)	
Malformation	1 [1.0]						
CARDIOVASCULAR SYSTEM							
Blood Vessel	(25)	(25)	(25)	(25)	(25)	(25)	
Inflammation		1 [3.0]					
Heart	(25)	(25)	(25)	(25)	(25)	(25)	
Mineralization					1 [1.0]		
Valve, Pigmentation, Melanin	1						
ENDOCRINE SYSTEM							
Adrenal Cortex	(24)	(25)	(25)	(25)	(25)	(25)	
Atrophy	,	(- /	(- /	1 [2.0]	(- /	(- /	
Embolus Bacterial					1		
Hypertrophy	3 [1.0]	1 [1.0]	2 [1.0]	1 [1.0]	1 [1.0]	4 [1.5]	
Subcapsular, Hyperplasia	4 [1.3]					8 [1.1]	
Adrenal Medulla	(24)	(25)	(25)	(25)	(25)	(25)	
GENERAL BODY SYSTEM							
None							
GENITAL SYSTEM							
Coagulating Gland	(2)	(0)	(1)	(0)	(0)	(3)	
Epithelium, Hyperplasia	2 [1.5]		1 [1.0]			3 [1.7]	
Epididymis	(25)	(25)	(25)	(25)	(25)	(25)	

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 26-39 WEEKS

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Senna (powdered)
CAS Number: 8013-11-4

Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07

Route: DOSED FEED
Species/Strain: MICE/P53(C57BL/6)

P53+/-(C57BL/6) MICE MALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
Inflammation						1 [2.0]
Epithelium, Karyomegaly	14 [1.4]				1 [1.0]	1 (2.0) 14 [1.1]
Preputial Gland	(25)	(25)	(25)	(25)	(25)	(23)
Ectasia	(23)	(23)	(23)	(23)	(23)	1 [2.0]
Hyperplasia					1 [4.0]	1 [2.0]
Duct, Ectasia	4 [3.0]				1 [4.0]	2 [4.0]
Prostate	(25)	(25)	(25)	(25)	(25)	(25)
Infiltration Cellular, Mononuclear Cell	1 [1.0]	(23)	2 [1.0]	1 [1.0]	(23)	(23)
Inflammation	1 [1.0]		2 [1.0]	1 [1.0]	1 [4.0]	1 [1.0]
Seminal Vesicle	(25)	(25)	(25)	(25)	(25)	(25)
Testes	(25)	(25)	(25)	(25)	(25)	(25)
Germinal Epithelium, Degeneration	(20)	(20)	1 [1.0]	(20)	(20)	(20)
Rete Testes, Cyst	1 [2.0]		. []			
HEMATOPOIETIC SYSTEM						
Bone Marrow	(25)	(25)	(25)	(25)	(25)	(25)
Hyperplasia		1 [2.0]				1 [4.0]
Lymph Node, Mandibular	(25)	(25)	(25)	(25)	(24)	(25)
Atrophy				3 [2.7]	2 [2.5]	
Hyperplasia, Lymphoid			1 [2.0]	2 [2.5]		
Lymph Node, Mesenteric	(24)	(25)	(25)	(25)	(25)	(25)
Atrophy		2 [3.5]				
Hyperplasia, Lymphoid				1 [2.0]		
Spleen	(25)	(25)	(25)	(25)	(23)	(25)
Hematopoietic Cell Proliferation		1 [3.0]	1 [2.0]			
Infiltration Cellular, Plasma Cell						1 [2.0]
Lymphoid Follicle, Atrophy		2 [1.5]				1 [3.0]
Lymphoid Follicle, Hyperplasia	1 [2.0]	1 [3.0]				1 [1.0]
Thymus	(25)	(24)	(25)	(25)	(23)	(25)
Atrophy		1 [3.0]		2 [1.5]		1 [4.0]
Cyst		1	1			·
Cortex, Hyperplasia, Lymphoid					1 [2.0]	
Epithelial Cell, Hyperplasia				1 [1.0]	· -	
Medulla, Hyperplasia, Lymphoid		2 [2.0]	3 [1.3]	2 [2.0]	4 [1.0]	

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Route: DOSED FEED

Test Type: 26-39 WEEKS

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Senna (powdered)
CAS Number: 8013-11-4

Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07

Lab: BAT

Species/Strain: MICE/P53(C57BL/6)

P53+/-(C57BL/6) MICE MALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
INTEGUMENTARY SYSTEM						
Skin	(25)	(25)	(25)	(25)	(25)	(25)
MUSCULOSKELETAL SYSTEM						
Bone Hyperostosis	(25)	(25)	(25)	(25)	(25)	(25) 1 [2.0]
NERVOUS SYSTEM						
Brain	(25)	(25)	(25)	(25)	(25)	(25)
RESPIRATORY SYSTEM						
Lung Thrombosis Alveolar Epithelium, Hyperplasia	(25)	(25)	(25)	(25)	(25) 1 [1.0]	(25) 1 [4.0]
Nose Inflammation Glands, Olfactory Epithelium, Hyperplasia	(25) 2 [1.0]	(25) 1 [1.0]	(25) 2 [1.0] 1 [1.0]	(25)	(25) 1 [1.0]	(25)
Glands, Chactory Epithelium, Hyperplasia Respiratory Epithelium, Cyst	1 [1.0]	6 [1.0]	2 [1.0]	2 [1.0]	3 [1.0] 1 [1.0]	
Respiratory Epithelium, Hyperplasia Septum, Hyalinization	2 [1.0] 15 [2.9]	1 [2.0]	1 [1.0]	2 [1.0]	2 [2.0]	1 [1.0] 16 [2.6]
SPECIAL SENSES SYSTEM						
Harderian Gland	(0)	(0)	(0)	(0)	(1)	(0)

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Route: DOSED FEED

Test Type: 26-39 WEEKS

Species/Strain: MICE/P53(C57BL/6)

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Senna (powdered)
CAS Number: 8013-11-4

Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07

P53+/-(C57BL/6) MICE MALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
URINARY SYSTEM						
Kidney Infiltration Cellular, Mononuclear Cell	(25) 1 [1.0]	(25)	(25)	(25)	(25)	(25)
Inflammation					1 [3.0]	1 [4.0]
Mineralization		4 [1.0]	1 [1.0]		1 [1.0]	
Necrosis					1 [3.0]	
Nephropathy	7 [1.0]	7 [1.0]	7 [1.0]	7 [1.0]	9 [1.0]	8 [1.0]
Cortex, Cyst					1 [1.0]	
Papilla, Necrosis						1 [4.0]
Urinary Bladder	(25)	(25)	(25)	(25)	(25)	(25)
Inflammation					1 [2.0]	1 [2.0]

^{***} END OF MALE ***

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 26-39 WEEKS

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Senna (powdered)
CAS Number: 8013-11-4

Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07

Lab: BAT

Route: DOSED FEED
Species/Strain: MICE/P53(C57BL/6)

Openics/otrain: MIOE/1 00(001 DE/0)			Eas. SAT					
P53+/-(C57BL/6) MICE FEMALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm		
Disposition Summary								
Animals Initially In Study	25	25	25	25	25	25		
Early Deaths								
Moribund Sacrifice	2	2	2	2	2	1		
Natural Death				1	1			
Survivors								
Terminal Sacrifice	23	23	23	22	22	24		
Animals Examined Microscopically	25	25	25	25	25	25		
ALIMENTARY SYSTEM								
Gallbladder	(25)	(25)	(25)	(25)	(25)	(25)		
Inflammation						1 [2.0]		
Intestine Large, Cecum	(25)	(25)	(25)	(25)	(25)	(25)		
Epithelium, Hyperplasia						19 [1.3]		
Intestine Large, Colon	(25)	(25)	(25)	(25)	(25)	(25)		
Epithelium, Hyperplasia					7 [1.0]	25 [2.7]		
Intestine Large, Rectum	(25)	(25)	(25)	(25)	(25)	(25)		
Epithelium, Hyperplasia						1 [1.0]		
Intestine Small, Duodenum	(25)	(25)	(25)	(24)	(25)	(25)		
Intestine Small, Jejunum	(25)	(25)	(25)	(25)	(25)	(25)		
Diverticulum			1	1				
Liver	(25)	(25)	(25)	(25)	(25)	(25)		
Basophilic Focus						1		
Clear Cell Focus						1		
Hematopoietic Cell Proliferation	1 [1.0]				1 [1.0]	1 [1.0]		
Infiltration Cellular, Mixed Cell				2 [2.0]				
Inflammation, Chronic Active	13 [1.0]	2 [1.0]	1 [1.0]	5 [1.0]	6 [1.0]	9 [1.0]		
Mixed Cell Focus	1							
Necrosis					1 [1.0]			
Necrosis, Focal	1 [1.0]							
Tension Lipidosis				1				
Pancreas	(25)	(25)	(25)	(25)	(25)	(25)		
Atrophy					1 [1.0]			
Salivary Glands	(25)	(25)	(25)	(25)	(25)	(25)		

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 26-39 WEEKS

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Senna (powdered)
CAS Number: 8013-11-4

Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07

Lab: BAT

Route: DOSED FEED
Species/Strain: MICE/P53(C57BL/6)

P53+/-(C57BL/6) MICE FEMALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
Hyperplasia, Lymphoid	1 [1.0]			1 [1.0]		1 [1.0]
Stomach, Forestomach	(25)	(25)	(25)	(25)	(25)	(25)
Inflammation			1 [1.0]			
Epithelium, Hyperplasia			1 [2.0]			
Stomach, Glandular	(25)	(25)	(25)	(25)	(25)	(25)
Epithelium, Metaplasia, Squamous				1 [1.0]	1 [1.0]	
Glands, Cyst	1	4 [1.0]	3 [1.0]	2 [1.0]	1 [1.0]	
Tooth	(0)	(1)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Heart	(25)	(25)	(25)	(25)	(25)	(25)
Cardiomyopathy					2 [1.0]	1 [1.0]
Embolus Tumor		1				
Infiltration Cellular, Lymphocyte					1 [2.0]	
Epicardium, Inflammation					1 [2.0]	
Valve, Thrombosis				1 [3.0]		
ENDOCRINE SYSTEM						
Adrenal Cortex	(25)	(25)	(25)	(25)	(25)	(25)
Hypertrophy	,	()	1 [1.0]	((,
Subcapsular, Hyperplasia	16 [1.3]	2 [1.0]	1 [1.0]	2 [1.0]	1 [2.0]	16 [1.3]
Adrenal Medulla	(25)	(25)	(25)	(25)	(25)	(25)
Pituitary Gland	(25)	(25)	(25)	(25)	(25)	(25)
Pars Distalis, Hyperplasia	()	()	1 [1.0]	()	(/	(-3)
Thyroid Gland	(25)	(25)	(25)	(25)	(25)	(25)
Cyst	(==)	1 [2.0]	(==)	(==)	(==)	(=3)
		. [=.0]				
GENERAL BODY SYSTEM						
Peritoneum	(1)	(0)	(0)	(0)	(0)	(0)

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Route: DOSED FEED

Test Type: 26-39 WEEKS

Species/Strain: MICE/P53(C57BL/6)

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Senna (powdered)
CAS Number: 8013-11-4

Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07

Species/Strain. MICE/F33(C3/BE/0)			Lab. DAT					
P53+/-(C57BL/6) MICE FEMALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm		
GENITAL SYSTEM								
Ovary	(25)	(25)	(25)	(25)	(25)	(25)		
Angiectasis	(23)	1 [3.0]	(23)	(23)	(23)	(23)		
Atrophy	3 [1.7]	3 [2.0]	2 [1.5]	3 [1.7]	2 [2.0]	4 [1.0]		
Cyst	1 [1.0]	2 [1.0]	2 [1.0]	3 [1.7] 3 [1.0]	2 [2.0] 1 [1.0]	4 [1.0] 1		
Mineralization	1 [1.0]	2 [1.0]	1 [1.0]	3 [1.0]	1 [1.0]	ı		
Pigmentation, Hemosiderin			1 [1.0]					
Uterus	(25)	(25)	(25)	(25)	(25)	(25)		
Endometrium, Hyperplasia, Cystic	15 [1.0]	7 [1.1]	3 [1.0]	5 [1.0]	6 [1.0]	14 [1.1]		
Епиотешит, пурегразіа, Сухііс	15 [1.0]	7 [1.1]	3 [1.0]	5 [1.0]	6 [1.0]	14 [1.1]		
HEMATOPOIETIC SYSTEM								
Bone Marrow	(25)	(25)	(25)	(25)	(25)	(25)		
Hyperplasia	1 [2.0]	1 [3.0]		1 [1.0]		1 [2.0]		
Inflammation		1 [1.0]						
Necrosis					1 [2.0]			
Lymph Node	(2)	(1)	(0)	(0)	(0)	(0)		
Lymph Node, Mandibular	(25)	(25)	(25)	(25)	(25)	(25)		
Atrophy			1 [1.0]	2 [2.0]	1 [2.0]	1 [2.0]		
Hyperplasia, Lymphoid	1 [2.0]							
Infiltration Cellular, Mast Cell		1 [2.0]						
Lymph Node, Mesenteric	(23)	(25)	(25)	(25)	(25)	(25)		
Atrophy	1 [4.0]	1 [1.0]	2 [2.0]	2 [3.0]	2 [2.0]	, ,		
Hyperplasia, Lymphoid						1 [1.0]		
Inflammation, Suppurative				1 [3.0]				
Spleen	(25)	(25)	(25)	(25)	(25)	(25)		
Hematopoietic Cell Proliferation	1 [4.0]	1 [3.0]	,	1 [1.0]	1 [2.0]	,		
Lymphoid Follicle, Atrophy	1 [2.0]	1 [2.0]						
Lymphoid Follicle, Hyperplasia		1 [2.0]		2 [2.0]				
Thymus	(24)	(22)	(22)	(22)	(22)	(24)		
Atrophy	3 [1.7]	1 [4.0]	1 [2.0]	1 [1.0]	1 [1.0]	2 [1.0]		
Hyperplasia, Lymphoid	1 [2.0]							
Medulla, Hyperplasia, Lymphoid	4 [1.3]	3 [1.0]	3 [1.3]	6 [1.5]	5 [1.2]	4 [1.0]		
1 1 1 1	. [1	- []	- []	- []	- []	r 1		

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Route: DOSED FEED

Test Type: 26-39 WEEKS

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Senna (powdered) **CAS Number:** 8013-11-4 Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07

Species/Strain: MICE/P53(C57BL/6)					Lab: BAT			
P53+/-(C57BL/6) MICE FEMALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm		
INTEGUMENTARY SYSTEM								
Mammary Gland Duct, Ectasia	(25) 1 [2.0]	(25)	(25)	(25)	(25) 1 [2.0]	(25) 1 [1.0]		
MUSCULOSKELETAL SYSTEM								
Bone	(25)	(25)	(25)	(25)	(25)	(25)		
Callus	1							
Fibro-Osseous Lesion		2		2	1	1		
NERVOUS SYSTEM			-					
Brain	(25)	(25)	(25)	(25)	(25)	(25)		
Peripheral Nerve	(1)	(0)	(1)	(1)	(1)	(0)		
Degeneration	1 [3.0]							
Spinal Cord	(1)	(0)	(2)	(2)	(1)	(1)		
Degeneration			2 [2.5]	2 [3.5]		1 [4.0]		
Nerve, Degeneration	1 [3.0]							
RESPIRATORY SYSTEM								
Lung	(25)	(25)	(25)	(25)	(25)	(25)		
Alveolar Epithelium, Hyperplasia	1 [1.0]							
Artery, Infiltration Cellular, Mixed Cell		1 [3.0]						
Serosa, Inflammation					1 [2.0]			
Nose	(25)	(25)	(25)	(25)	(25)	(25)		
Inflammation	1 [1.0]	1 [1.0]	1 [1.0]	2 [1.0]		1 [1.0]		
Inflammation, Suppurative			4 [4 0]	1 [2.0]				
Glands, Olfactory Epithelium, Dilatation	4 [4 0]	0.[4.0]	1 [1.0]	4 [4 0]	4 [4 0]			
Glands, Respiratory Epithelium, Hyperplasia Olfactory Epithelium, Degeneration	1 [1.0]	6 [1.0]	4 [1.0]	4 [1.0]	4 [1.0]	1 [1.0]		
Septum, Hyalinization	17 [1.6]	2 [1.5]	3 [1.7]	2 [1.0]	3 [1.3]	15 [1.9]		
Soptani, Hydiinization	17 [1.0]	ر۱۰۰۰)	0[1.7]	2 [1.0]	0 [1.0]	10 [1.0]		

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 26-39 WEEKS

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 03/11/2010 AVERAGE SEVERITY GRADES[b]

Senna (powdered)
CAS Number: 8013-11-4

Time Report Requested: 11:54:36 First Dose M/F: 06/26/07 / 06/25/07

Lab: BAT

Route: DOSED FEED
Species/Strain: MICE/P53(C57BL/6)

P53+/-(C57BL/6) MICE FEMALE	0 ppm	100 ppm	300 ppm	1000 ppm	3000 ppm	10,000 ppm
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(25)	(25)	(25)	(25)	(25)	(25)
Hyperplasia, Lymphoid						1 [1.0]
Mineralization	1 [1.0]		1 [1.0]			
Nephropathy	3 [1.0]	6 [1.0]	5 [1.0]	4 [1.0]	9 [1.0]	2 [1.0]
Urinary Bladder	(25)	(25)	(25)	(25)	(25)	(25)
Infiltration Cellular, Lymphocyte		1 [2.0]	3 [2.0]	2 [2.0]		
Inflammation			1 [1.0]			
Transitional Epithelium, Vacuolization Cytoplasmic					1 [2.0]	

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)